



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

APR 21 2014

REPLY TO THE ATTENTION OF.

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Michael L. Roark  
Director, Environmental, Health & Safety  
Olin Corporation, Winchester Division  
600 Powder Mill Road, Z3220  
East Alton, IL 62024

Re: Notice and Finding of Violation  
Olin Corporation, Winchester Division  
East Alton, IL

Dear Mr. Roark:

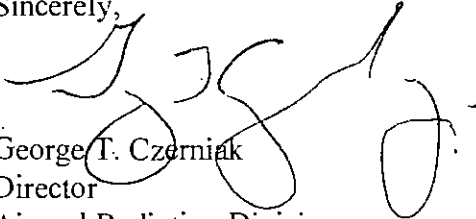
This is to advise you that the U.S. Environmental Protection Agency has determined that Olin Corporation, Winchester Division (Winchester) at 427 North Shamrock Street, East Alton, Illinois, 62024 (facility) is in violation of the Clean Air Act (CAA or the Act) and associated state or local pollution control requirements. More specifically, we find that you are in violation of the Illinois State Implementation Plan at 35 IAC Part 201; and Title V permit requirements under Section 502 of the Act, 42 U.S.C. §§ 7661-7661f, 40 C.F.R. Part 70. We are today issuing to you a Notice of Violation and Finding of Violation (NOV/FOV) for these violations.

Section 113 of the CAA gives us several enforcement options to resolve these violations, including: issuing an administrative compliance order, issuing an administrative penalty order, bringing a judicial civil action, and bringing a judicial criminal action.

We are offering you the opportunity to request a conference with us about the violations alleged in the NOV/FOV. A conference should be requested within 10 days following receipt of this notice. A conference should be held within 30 days following receipt of this notice. This conference will provide you a chance to present information on the identified violations, any efforts you have taken to comply and the steps you will take to prevent future violations. Please plan for your facility's technical and management personnel to take part in these discussions. You may have an attorney represent and accompany you at this conference.

The EPA contact in this matter is Kushal Som, who can be reached at 312-353-5792, if you wish to request a conference. U.S. EPA hopes that this NOV/FOV will encourage Winchester's compliance with the requirements of the CAA.

Sincerely,

A handwritten signature in black ink, appearing to read "G. Czerniak", is written over the printed name and title.

George T. Czerniak  
Director  
Air and Radiation Division

cc: Eric E. Jones  
Manager  
Bureau of Air, Compliance and Enforcement Section  
Illinois Environmental Protection Agency

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5**

**IN THE MATTER OF:**

Olin Corporation, Winchester Division  
427 North Shamrock Street  
East Alton, IL 62024

**NOTICE & FINDING OF VIOLATION**

**EPA-5-14-IL-07**

Proceedings Pursuant to  
Section 113(a)(1) of the  
Clean Air Act, 42 U.S.C.  
§ 7413(a)(1)

**NOTICE AND FINDING OF VIOLATION**

The U.S. Environmental Protection Agency (EPA) is sending this Notice of Violation and Finding of Violation (NOV/FOV) to notify you that we have found violations of the Clean Air Act (CAA or the Act) at your facility located at 427 North Shamrock Street, East Alton, Madison County, Illinois, 62024. In particular, we have found that you have violated: the federally enforceable Illinois State Implementation Plan (SIP) at 35 Illinois Administrative Code (IAC) Part 201; and Title V permit requirements under Section 502 of the Act, 42 U.S.C. §§ 7661-7661f, 40 C.F.R. Part 70.

**Statutory and Regulatory Background**

**Illinois Environmental Protection Agency Construction Permits**

1. Under 40 C.F.R. § 52.23, any permit limitation or condition contained within a permit issued under an EPA-approved program that is incorporated in a SIP, is a requirement of the SIP, and is federally enforceable under Section 113, 42 U.S.C. § 7413.
2. EPA promulgated approval of 35 IAC Part 201, "Permits and General Conditions," as part of the federally enforceable SIP for the State of Illinois on May 31, 1972. See 37 Fed. Reg. 10862. Since then, EPA has approved several revisions of 35 IAC Part 201 into the federally enforceable SIP.

**Title V Permit Requirements**

3. Title V of the Act, 42 U.S.C. §§ 7661-7661f, established an operating permit program for major sources of air pollution. Section 502(d) of the Act, 42 U.S.C. § 7661a(d), provides that each state must submit to EPA a permit program meeting the requirements of Title V.

4. In accordance with Section 502(b) of the Act, 42 U.S.C. § 7661a(b), EPA promulgated regulations establishing and implementing Title V of the Act. *See* 57 Fed. Reg. 32295 (July 21, 1992). Those regulations are codified at 40 C.F.R. Part 70.
5. Section 502(a) of the CAA, 42 U.S.C. § 7661a(a), and 40 C.F.R. § 70.7(b) provide that, after the effective date of any permit program approved or promulgated under Title V of the CAA, no source subject to Title V may operate except in compliance with a Title V permit.
6. EPA approved Illinois' Title V program on December 4, 2001. *See* 66 Fed. Reg. 62946. The Illinois Title V program is commonly referred to as the Clean Air Act Permit Program (CAAPP).

#### Relevant Factual Background

7. Olin Corporation (Winchester) is a corporation that does business in Illinois.
8. Winchester is a "person" as that term is defined in Section 302(e) of the Act, 42 U.S.C. § 7602(e).
9. Winchester owns and operates an ammunition manufacturing facility located at 427 North Shamrock Street in East Alton, Illinois 62024 (facility).
10. At all times relevant to this Notice and Finding of Violation, Winchester owned and operated emission units at its facility.
11. The Illinois Environmental Protection Agency issued Winchester a Title V (CAAPP) permit (Application No.: 96030015) on January 20, 2008.
12. Condition 7.1.6.a.ii of Winchester's CAAPP permit requires Winchester to limit lead emissions from the Lower Billet Melt Kettle (during Mode 1 operation) to no more than 0.04 pounds of lead per hour. Mode 1 operation is defined as operating only when melting internally produced scrap.
13. Condition 7.1.6.a.iv of Winchester's CAAPP permit states that the 0.04 pound per hour lead limit for the Lower Billet Melt Kettle (during Mode 1 operation) was established in a construction permit (No. 97120071), pursuant to Title I of the CAA.
14. In response to a Section 114 Information Request, Winchester performed two EPA Reference Method 12 lead stack tests at the LK-4 stack (Lower Billet Melt Kettle during Mode 1 operation) on September 19, 2013 and October 22-23, 2013, respectively. Average lead emissions for the September 19, 2013 stack test averaged 0.092 pounds of lead per hour. Average lead emissions for the October 22-23, 2013 stack test averaged 0.049 pounds of lead per hour. Results from both stack tests showed levels that exceed the 0.04 pound per hour lead emission limit in Winchester's permit at the LK-4 stack.

### Alleged Violations

15. Winchester has violated, and continues to violate, condition 7.1.6.a.ii of its Title V (CAAPP) permit at its Lower Billet Melt Kettle (during Mode 1 operation), that limited lead emissions to no more than 0.04 pounds per hour.
16. 40 C.F.R. § 70.7(b) prohibits a source from operating except in compliance with a permit issued under a 40 C.F.R. Part 70 program.
17. Section 502(a) of the Act, 42 U.S.C. § 7661a(a), provides that it is unlawful for any person to violate any requirement of a permit issued under Title V of the Act.

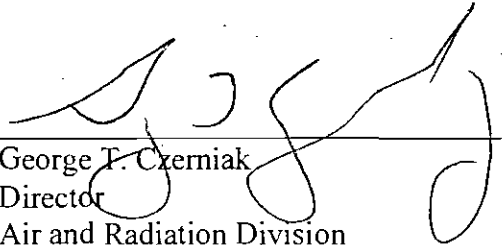
### Environmental Impact of Violations

18. These violations have caused or can cause excess emissions of lead.

Lead: Once lead enters the body it is distributed through the blood and is accumulated in the bones. Depending on the level of exposure, lead can adversely affect the nervous system, kidney function, immune system, reproductive and developmental systems, and the cardiovascular system. Lead exposure also affects the oxygen carrying capacity of the blood. The most common negative effects of lead, currently, are neurological effects in children and cardiovascular effects (e.g., high blood pressure and heart disease) in adults. Infants and young children are especially sensitive to lead, which may contribute to behavioral problems, learning deficits and lowered IQ.]

Date

A/21/14

  
George T. Czerniak  
Director  
Air and Radiation Division

**CERTIFICATE OF MAILING**

I, Loretta Shaffer, certify that I sent a Notice and Finding of Violation, No.

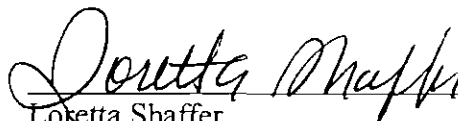
EPA-5-14-IL-07, by Certified Mail, Return Receipt Requested, to:

Michael L. Roark  
Director, Environmental, Health & Safety  
Olin Corporation, Winchester Division  
600 Powder Mill Road, Z3220  
East Alton, IL 62024

I also certify that I sent copies of the Notice of Violation by first-class mail to:

Eric Jones, Manager  
Bureau of Air, Compliance Section  
Illinois Environmental Protection Agency  
P.O. Box 19506  
Springfield, Illinois 62794

On the 22 day of April 2014.

  
Loretta Shaffer  
Program Technician  
AECAB, PAS

CERTIFIED MAIL RECEIPT NUMBER: 7009 1680 0000 7676 2984